



Site Name: GAF CORPORATION

CERCLIS ID No.: D043292606

Street Address: WATER & CHARLES STREETS City/State/Zip: GLOUCESTER CITY, NJ 08030

Investigator: EILEEN STEWART

Agency/Organization: DEPE/RPSR

Street Address: 300 HORIZON CENTER City/State: ROBBINSVILLE, NJ

Date: 3/23/92

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WASTE CHARACTERISTICS

Waste Characterist	ics (WC) Calculations:		
1 PCB SPILL	Drums	WQ value	maximum
Volume	1.10E+01 drums	1.10E+00	1.10E+00
2 FILL AREA	Landfill	WQ value	maximum
Area	7.30E+00 acres	9.36E+01	9.36E+01

WO total 9.47E+01

Ground Water Pathway Criteria List Suspected Release	
Are sources poorly contained? (y/n/u)	N
Is the source a type likely to contribute to ground water contamination (e.g., wet lagoon)? $(y/n/u)$	N
Is waste quantity particularly large? (y/n/u)	N
Is precipitation heavy? $(y/n/u)$	Y,
Is the infiltration rate high? $(y/n/u)$	Y
Is the site located in an area of karst terrain? (y/n)	N
Is the subsurface highly permeable or conductive? $(y/n/u)$	Y
Is drinking water drawn from a shallow aquifer? (y/n/u)	N
Are suspected contaminants highly mobile in ground water? $(y/n/u)$	N
Does analytical or circumstantial evidence suggest ground water contamination? $(y/n/u)$	N
Other criteria? (y/n) N	
SUSPECTED RELEASE? (y/n)	N
Summarize the rationale for Suspected Release:	

Ground Water Pathway Criteria List Primary Targets

Is any drinking water well nearby? (y/n/u)

Has any nearby drinking water well been closed? (y/n/u)

Has any nearby drinking water well user reported foul-testing or foul-smelling water? (y/n/u)

Does any nearby well have a large drawdown/high production rate? (y/n/u)

Is any drinking water well located between the site and other wells that are suspected to be exposed to a hazardous substance? (y/n/u)

Does analytical or circumstantial evidence suggest contamination at a drinking water well? (y/n/u)

Does any drinking water well warrant sampling? (y/n/u)

Other criteria? (y/n)

PRIMARY TARGET(S) IDENTIFIED? (y/n)

Summarize the rationale for Primary Targets:

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GROUND WATER PATHWAY SCORESHEETS

Pathway Characteristics					
Do you suspect a release? (y/n) No					
Is the site located in karst to	Is the site located in karst terrain? (y/n) No				
Depth to aquifer (feet):		19	90		
Distance to the nearest drinking	Distance to the nearest drinking water well (feet): 4012				
LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	Refer	ences	
1. SUSPECTED RELEASE	0				
2. NO SUSPECTED RELEASE 500					
LR =	0	500			

Targets

TARGETS	Suspected Release	No Suspected Release	References
3. PRIMARY TARGET POPULATION O person(s)	0		
4. SECONDARY TARGET POPULATION Are any wells part of a blended system? (y/n) Y	0	4212	
5. NEAREST WELL	0	18	
6. WELLHEAD PROTECTION AREA None within 4 Miles	0	0	
7. RESOURCES	0	5	
Т =	0	4235	

WASTE CHARACTERISTICS	WC =	0	18
GROUND WATER PATHWAY SCORE:		10	00

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Ground Water Target Populations

Primary Target Population Drinking Water Well ID	Dist. (miles)	Population Served	Reference	Value
None				
		No.	Total	

Secondary Target Population Distance Categories	Population Served	Reference	Value
0 to 1/4 mile	0		О
Greater than 1/4 to 1/2 mile	3506		323
Greater than 1/2 to 1 mile	8264		167
Greater than 1 to 2 miles	28147		294
Greater than 2 to 3 miles	111304		2122
Greater than 3 to 4 miles	160093		1306
		Total	4212

Apportionment Documentation for a Blended System

GLOUCESTER CITY WATER DEPT. - FOUR WELLS >1/2-1 MILE 12,500 PEOPLE SERVICED. BROOKLAWN WATER DEPT.- THREE WELLS >1/2-1 mile 2,520 PEOPLE SERVICED. NATIONAL PARK WATER DEPT.- TWO WELLS >3-4 MILES 3,550 PEOPLE SERVICED. N.J. AMERICAN WATER COMPANY- EIGHT WELLS >3-4 MILES, TWO WELLS >2-3 MILES, 33,490 PEOPLE SERVICED. COLLINGSWOOD WATER DEPT.- SIX WELLS >3-4 MILES, ONE WELL >2-3 MILES, 20,000 PEOPLE SERVICED. BELLMAWR WATER DEPT.- TWO WELLS >1-2 MILES, TWO WELLS >2-3 MILES, 9,520 PEOPLE SERVICED. CAMDEN CITY WATER DEPT.- THREE WELLS >3-4 MILES, 20,000 PEOPLE SERVICED. WEST DEPTFORD WATER DEPT.- ONE WELL >2-3 MILES, ONE WELL >3-4 MILES. 19,000 PEOPLE SERVICED, PART OF AN INTERCONNECTED SYSTEM COMPRISED OF SEVEN WELLS. WESTVILLE WATER DEPT. - THREE WELLS >1-2 MILES, 7,000 PEOPLE SERVICED. DEPTFORD TOWNSHIP WATER DEPT.- ONE WELL >2-3 MILES, 1,100 PEOPLE SERVICED. WOODBURY WATER DEPT.- TWO WELLS >3-4 MILES, PART OF AN INTERCONNECTED SYSTEM COMPRISED OF FIVE WELLS, 11,920 PEOPLE SERVICED. HADDON TOWNSHIP WATER DEPT.- FOUR WELLS >3-4 MILES, 12,000 PEOPLE SERVICED.

Surface Water Pathway Criteria List Suspected Release	
Is surface water nearby? (y/n/u)	Y
Is waste quantity particularly large? (y/n/u)	N
Is the drainage area large? (y/n/u)	N
Is rainfall heavy? (y/n/u)	Y
Is the infiltration rate low? $(y/n/u)$	N
Are sources poorly contained or prone to runoff or flooding? $(y/n/u)$	N
Is a runoff route well defined(e.g.ditch/channel to surf.water)? $(y/n/u)$	U
Is vegetation stressed along the probable runoff path? $(y/n/u)$	N
Are sediments or water unnaturally discolored? (y/n/u)	N
Is wildlife unnaturally absent? (y/n/u)	N
Has deposition of waste into surface water been observed? $(y/n/u)$	N
Is ground water discharge to surface water likely? (y/n/u)	N
Does analytical/circumstantial evidence suggest S.W. contam? $(y/n/u)$	N
Other criteria? (y/n) N	
SUSPECTED RELEASE? (y/n)	N
Summarize the rationale for Suspected Release:	

Surface Water Pathway Criteria List	
Primary Targets	
Is any target nearby? (y/n/u) If yes: N Drinking water intake Y Fishery Y Sensitive environment	Y
Has any intake, fishery, or recreational area been closed? $(y/n/u)$	N
Does analytical or circumstantial evidence suggest surface water contamination at or downstream of a target? $(y/n/u)$	N
Does any target warrant sampling? (y/n/u) If yes: N Drinking water intake N Fishery N Sensitive environment	N
Other criteria? (y/n) N	
$\label{eq:primary intake} PRIMARY \ INTAKE(S) \ IDENTIFIED? \ (y/n)$ Summarize the rationale for Primary Intakes:	N
	,
continued	

continued		111111111111111111111111111111111111111	
Other criteria? (y/n)	N		
	PRIMARY FISHERY(IES) IDENTIFIED?	(y/n) N	1
Summarize the rationale for	Primary Fisheries:		
	•		
	•		
	•		
Other criteria? (y/n)	N		
PRIMARY SE	ENSITIVE ENVIRONMENT(S) IDENTIFIED?	(y/n)	1
	r Primary Sensitive Environments:	(y/n) N	1
	•	(y/n) N	1
	•	(y/n) N	
	•	(y/n) N	
Summarize the rationale for	•	(y/n) N	
Summarize the rationale for	•	(y/n) N	
Summarize the rationale for	•	(y/n) N	
Summarize the rationale for	•	(y/n) N	
Summarize the rationale for	•	(y/n) N	
Summarize the rationale for	•	(y/n) N	1

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SURFACE WATER PATHWAY SCORESHEETS

Pathway Characteristics		•	II	Ref.	
Do you suspect a release? (y/n)	Ne	0		
Distance to surface water (feet):					
Flood frequency (years):					
What is the downstream distance (miles) to: a. the nearest drinking water intake? b. the nearest fishery? c. the nearest sensitive environment? 0.6					
Suspected No Suspected LIKELIHOOD OF RELEASE Release Release Referen					
1. SUSPECTED RELEASE	. 0				
2. NO SUSPECTED RELEASE 500					
LR =	0	500			

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Drinking Water Threat Targets

TARGETS	Suspected Release	No Suspected Release	References
3. Determine the water body type, flow (if applicable), and number of people served by each drinking water intake.			
4. PRIMARY TARGET POPULATION 0 person(s)	0		
5. SECONDARY TARGET POPULATION Are any intakes part of a blended system? (y/n): N	0	0	
6. NEAREST INTAKE	0	0	
7. RESOURCES	0	· 5	
T =	0	.5	

Drinking Water Threat Target Populations

Intake Name	Primary (y/n)	Water Body Type/Flow	Population Served Ref.	Value
None				
		otal Primary Target Popotal Secondary Target P		0

Apportionment	Documentation	for a	Breuded	System
,				
	•			
		•		
	•			
L				

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Human Food Chain Threat Targets

TARGETS	Suspected Release	No Suspected Release	References
8. Determine the water body type and flow for each fishery within the target limit.			
9. PRIMARY FISHERIES	0		
10. SECONDARY FISHERIES	0	12	
. T =	0	12 .	

Human Food Chain Threat Targets

Fishery Name	Primary (y/n)	Water Body Type/Flow	Ref.	Value
1 DELAWARE RIVER	N	>1000-10000 cfs		12
,				1
		, , , , , , , , , , , , , , , , , , , ,		•
		l Primary Fisheries Valu l Secondary Fisheries Va		0 12

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Environmental Threat Targets

TARGETS	Suspected Release	No Suspected Release	References
11. Determine the water body type and flow (if applicable) for each sensitive environment.			
12. PRIMARY SENSITIVE ENVIRONMENTS	. 0		
13. SECONDARY SENSITIVE ENVIRONS.	0	2	
Т =	0	2	

Environmental Threat Targets

Sensitive Environment Name	Primary (y/n)	Water Body Type/Flow	Ref.	Value
1 BIG TIMBER CREEK TIDAL FL	N	10-100 cfs		2
2 DELAWARE RIVER TIDAL FL	N	>1000-10000 cfs		2
		sitive Environments Valu		0 2

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Surface Water Pathway Threat Scores

Threat	Likelihood of Release(LR) Score	Targets(T) Score	Pathway Waste Characteristics (WC) Score	Threat Score LR x T x WC / 82,500
Drinking Water	500	5	18	1
Human Food Chain	500	12	18	1
Environmental	500	2 .	18	0

SURFACE WATER PATHWAY SCORE:

	2	

Soil Exposure Pathway Criteria List Resident Population	
Is any residence, school, or daycare facility on or within 200 feet of an area of suspected contamination? (y/n/u)	N
Is any residence, school, or daycare facility located on adjacent land previously owned or leased by the site owner/operator? $(y/n/u)$	· N
Is there a migration route that might spread hazardous substances near residences, schools, or daycare facilities? $(y/n/u)$	N
Have onsite or adjacent residents or students reported adverse health effects, exclusive of apparent drinking water or air contamination problems? $(y/n/u)$	N
Does any neighboring property warrant sampling? (y/n/u)	N
Other criteria? (y/n) N	
RESIDENT POPULATION IDENTIFIED? (y/n)	Ŋ
Summarize the rationale for Resident Population:	

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SOIL EXPOSURE PATHWAY SCORESHEETS

athway Characteristics				Ref.
Do any people live on or within of areas of suspected contamin			No	
Do any people attend school or of areas of suspected contamin		vithin 200 ft	No	
Is the facility active? (y/n) :			No	
	•			
LIKELIHOOD OF EXPOSURE	Suspected Contamination	References		
1. SUSPECTED CONTAMINATION LE =	550			
argets				
<pre>2. RESIDENT POPULATION</pre>	. 0			
3. RESIDENT INDIVIDUAL	. 0			
4. WORKERS None	0		·	
5. TERRES. SENSITIVE ENVIRONMENTS	0			
6. RESOURCES	5			
· T =	5			
ASTE CHARACTERISTICS WC =	18			
		· 1		
ESIDENT POPULATION THREAT SCORE:	1			
		1		
EARBY POPULATION THREAT SCORE:	2			
Population Within 1 Mile: 10,001	- 50,000			
]		

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Soil Exposure Pathway Terrestrial Sensitive Environments

Terrestrial Sensitive Environment Name	Reference	Value
None		
Total Terrestrial Sensitive Environment	ents Value	

	GAI	F CORPORA				•	
	A	ir Pathwa Suspec	y Criter: ted Relea		•		
Are odors curr	ently report	ted? (y/n	/u)				V
Has release of	a hazardous						
			been dire	ectly obs	erved? (y	/n/u) .	N
Are there reponausea, diz	ziness) pote of hazaro	entially dous subs	resulting tances th	g from mid	gration e air? (y	/n/u)	N.
Other criteria	? (y/n)	Y AS	BESTOS CO	ONTAINING	MATERIAL	PRESENT	
			:	SUSPECTED	RELEASE?	(y/)	N
ummarize the r	ationale for	r Suspect	ed Relea:	3e:			
٠.	٠					•	
						·	
		·					
					·		

AIR PATHW	AY SCORESHEETS			
Pathway Characteristics			, I	Ref.
Do you suspect a release? (y/n	you suspect a release? (y/n)			
Distance to the nearest individ	dual (feet):	al (feet): 3960		
LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	Refer	ences
1. SUSPECTED RELEASE	0			
2. NO SUSPECTED RELEASE		. 500 .		
LR =	0	500		
argets				
TARGETS	Suspected Release	No Suspected Release	Refer	rences
3. PRIMARY TARGET POPULATION O person(s)	0			
4. SECONDARY TARGET POPULATION	0	105		
5. NEAREST INDIVIDUAL	. 0	2		
6. PRIMARY SENSITIVE ENVIRONS.	0			
7. SECONDARY SENSITIVE ENVIRONS.	0	. 0		
8. RESOURCES	· 0	5		
T =	0	112		

WASTE CHARACTERISTICS	WC =	0	18
AIR PATHWAY SCORE:			12

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Air Pathway Secondary Target Populations

Distance Categories	Population	References	Value
Onsite	0		0
Greater than 0 to 1/4 mile	0		0
Greater than 1/4 to 1/2 mile	3506		28
Greater than 1/2 to 1 mile	8264		8
Greater than 1 to 2 miles	28147		8
Greater than 2 to 3 miles	111304		38
Greater than 3 to 4 miles	160093		23
	Total Secondary Popula	tion Value	105

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Air Pathway Primary Sensitive Environments

Sensitive Environment Name	Reference	Value
None		
		-
	1	
Total Primary Sensitive Environ	ments Value	

Air Pathway Secondary Sensitive Environments

Sensitive Environment Name	Distance	Reference	Value
None			
· · .			
Total Control of the			

SITE SCORE CALCULATION	SCORE
GROUND WATER PATHWAY SCORE:	100
SURFACE WATER PATHWAY SCORE:	2 .
SOIL EXPOSURE PATHWAY SCORE:	3
AIR PATHWAY SCORE:	12
SITE SCORE:	50

SUMMARY

1.	Is there a high possibility of a threat to any nearby drinking water well(s) by migration of a hazardous substance in ground water?	r No
	If yes, identify the well(s).	
		,
	If yes, how many people are served by the threatened well(s)? 0	
2.	Is there a high possibility of a threat to any of the following by hazardous substance migration in surface water? A. Drinking water intake	No No
	B. FisheryC. Sensitive environment (wetland, critical habitat, others)	No
	If yes, identity the target(s).	
3.	Is there a high possibility of an area of surficial contamination within 200 feet of any residence, school, or daycare facility?	No
	If yes, identify the properties and estimate the associated populat	ion(s)
4.	Are there public health concerns at this site that are not addressed by PA scoring considerations?	No
	If yes, explain:	

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REFERENCE LIST

remediation in order to comply to current NJDEP Soil Remediation Standards (SRS). Remediation for the entire BDA will be completed with direct oversight by and strict compliance to the residential NJDEP SRS ensured by NJDEP, Office of Brownfields Reuse (OBR).

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OMB Approval Number: 2050-0095 Approved for Use Through: 1/92

prompts			•				· -	
POTENTIAL HAZA	PDOME				, ID	ENTIF	ICATIO	1
WASTE SITE	RDOUS		·		State:		CLIS No 432926	
PRELIMINARY AS	SESSMENT	FORM			CERCLIS	Disc 2/28/		Date:
1. General Site Infor	mation	,	· · · · · · · · · · · · · · · · · · ·			1	 	
Name: GAF CORPORATION	•		Street WATER		ess: ARLES ST	REETS		
City: GLOUCESTER CITY		State: NJ	Zip Co 08030	ode:	County CAMDEN		Co. Code:	Cong. Dist:
Latitude: Longitu 39° 53' 24.0" 75° 7		Approx.	Area of 36 acre		Status Inact		ite:	
2. Owner/Operator Inf	ormation							
Owner: GENERAL ANILINE & FI	LM		Operato		TION			
Street Address: 1361 ALPS ROAD			Street CHARLE		ss: ATER STF	REETS		
City: WAYNE			City: GLOUCE	ESTER	CITY			
State: Zip Code: NJ 07470	Telephone 201-628		State: NJ	Zip 0803	Code:	Tele	phone:	
Type of Ownership: Private					y Identi Program			

POTENTIAL HAZA	ADDOME		,		IDI	ENTIFICAT	ION
WASTE SITE	ARDOUS			i		IS Number: 292606	
PRELIMINARY AS	SSESSMENT	FORM				Discover 2/28/89	y Date:
3. Site Evaluator In	formation						
Name of Evaluator: EILEEN STEWART		Agency, DEPE/I	_	anization:	:	Date Pr 3/23/	epared: 92
Street Address: 300 HORIZON CENTER		City: ROBBINSVILLE				State: NJ	
Name of EPA or State KEN KLOO/SECTION CHI		ontact:		Lephone: 09-584-428	30		
Street Address: 300 HORIZON CENTER			Cit	cy: OBBINSVILI	Æ		State: NJ
4. Site Disposition	(for EPA ı	use only)	***************************************			
Emergency Response/Removal Assessment	CERCLIS Recommer NFRAP	ndation:		Signatur	:e:		
Recommendation: No Date:	Date:		•	Name: EILEEN Positior HSMS	STEWART		

						·
POTENTIAL HAZARDOUS					ID	ENTIFICATION
POIENTIAL HAZARDOUS		,			State:	CEDCLIC Numbers
WASTE SITE					NJ	CERCLIS Number: D043292606
PRELIMINARY ASSESSMENT	FORM					Discovery Date: 2/28/89
5. General Site Characteristi	cs					
Predominant Land Uses Within	Site	Set	ting:	Year	s of Ope	ration:
1 Mile of Site:			.	Ве	ginning :	Year: 1923
Industrial	Url	oan	Ì			
Commercial	,			Er	ding Yea	r: 1983
						-
Type of Site Operations:				Waste	Generate	ed:
Manufacturing				C	nsite	, in the second
Lumber and Wood Products			}			
Other Manufacturing					Present O	ion Authorized wner
					Accessil	ble to the Public
		•		Dista	ince to No	earest Dwelling,
	٠.	*		School	ol, or Wo: .584 Fee	rkplace:
6. Waste Characteristics Info	rmatio	n				
Source Type Quantity	,	Tier	Genera	ıl Tyr	es of Wa	ste:
Drums 1.10e+01	drums	V	Acid	ls/Bas	es	
Landfill 7.30e+00	acres	A	Othe	r:	•	*
			ASBE	STOS	SOLID WA	STE
			CELL	AH4O	E, PLASTI	CS,
						•
1						
						•
•						
	•	•				
•						· · · · · · · · · · · · · · · · · · ·
			Soli	.d	ate of W	aste as Deposited
mior Logard			Liqu	itu		
Tier Legend						
0 - 0						
<pre>C = Constituent W = Wastes V = Volume A = Area</pre>	tream					

POTENTIAL HAZARDO		IDI	ENTIFICA'	TION
WASTE SITE	State:	CERCLI D0432	S Number: 92606	
PRELIMINARY ASSES	SSMENT FORM	CERCLIS Discovery Date: 2/28/89		
7. Ground Water Pathway				
Is Ground Water Used for Drinking Water Within 4 Miles: No Type of Ground Water Wells Within 4 Miles: Municipal Private	Is There a Suspected Release to Ground Water: No Have Primary Target Drinking Water Wells Been Identified: No	List Second Population Ground Water From: 0 - 1, >1/4 - 1, >1/2 - 1	on Serverater Wit: /4 Mile /2 Mile	d by hdrawn 0 3506
Depth to Shallowest Aquifer: 190 Feet Karst Terrain/Aquifer Present: No	Nearest Designated Wellhead Protection Area: None within 4 Miles	>2 - 3	Miles Miles Miles	111304

POTENTIAL HAZARDOUS		ID	ENTIFICATION
WASTE SITE		State: NJ	CERCLIS Number D043292606
PRELIMINARY ASSESSMENT FORM			Discovery Date: 2/28/89
8. Surface Water Pathway		•	Part 1 of 4
	Shortest Overla Source to Surfa		_
Kiver		0 Fee 0.0 Mil	-
·.			
Is there a Suspected Release to Surface Water: No	Site is Located >10 yr - 10		dplai
8. Surface Water Pathway			Part 2 of 4
Drinking Water Intakes Along the Su	face Water Mig	ration Pa	th: No
Have Primary Target Drinking Water	Intakes Been Id	entified:	No
Secondary Target Drinking Water Inta None	ikes:		

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POTENTIAL HAZARDOUS

WASTE SITE

WASTE SITE

PRELIMINARY ASSESSMENT FORM

CERCLIS Discovery Date:
2/28/89

8. Surface Water Pathway

Part 3 of 4

Fisheries Located Along the Surface Water Migration Path: Yes

Have Primary Target Fisheries Been Identified: No

Secondary Target Fisheries:

Fishery Name

Water Body Type/Flow(cfs)

DELAWARE RIVER

large stream/river/ >1000-10000

8. Surface Water Pathway

Part 4 of 4

Wetlands Located Along the Surface Water Migration Path? (y/n) Yes

Have Primary Target Wetlands Been Identified? (y/n) No

Secondary Target Wetlands:

Water Body/Flow(cfs)

Frontage(mi)

small-moderate stream/ 10-100

0.1 to 1

large stream/river/ >1000-10000

>20

Other Sensitive Environments Along the Surface Water Migration Path: No

Have Primary Target Sensitive Environments Been Identified: No

Secondary Target Sensitive Environments:

None

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POTENTIAL HAZARDOUS

WASTE SITE

PRELIMINARY ASSESSMENT FORM

IDENTIFICATION

State: NJ CERCLIS Number: D043292606

CERCLIS Discovery Date: 2/28/89

9. Soil Exposure Pathway

Are People Occupying Residences or Attending School or Daycare on or Within 200 Feet of Areas of Known or Suspected Contamination: No

Number of Workers Onsite:

None

Have Terrestrial Sensitive Environments Been Identified on or Within 200 Feet of Areas of Known or Suspected Contamination: No

10. Air Pathway

Total Population or Onsite	or Within:	Is There a Suspected Release to Air: No
Onside	0	
0 - 1/4 Mile	0	Wetlands Located
>1/4 - 1/2 Mile	3506	Within 4 Miles of the Site: No
>1/2 - 1 Mile	8264	
>1 - 2 Miles	28147	
>2 - 3 Miles	111304	Other Sensitive Environments Located
>3 - 4 Miles	160093	Within 4 Miles of the Site: No
Total	311314	
1		• '

Sensitive Environments Within 1/2 Mile of the Site: None